

1. (AMENDED) An apparatus comprising:

a surface ;

one or more lights disposed on said surface ;

a microprocessor integrally housed in said apparatus and electrically connected to said lights and controlling said lights; and

a power source integrally housed in said apparatus and electrically connected to said microprocessor and said lights,

wherein said apparatus is portable, self-contained and adapted to be worn by a human being.

2. (AMENDED) The apparatus as recited in Claim 1, further comprising one or more sound source, wherein said integral power source is electrically connected to said sound source and wherein said microprocessor controls said sound source.

3. (AMENDED) The apparatus as recited in Claim 1, wherein the surface is a pair of sunglasses or optical glasses.

7. (AMENDED) The apparatus as recited in Claim 3, further comprising one or more sound source controlled by said microprocessor.

8. (AMENDED) The apparatus as recited in accordance with Claim 2, further comprising at least two sound sources.

9. (AMENDED) An apparatus for treating learning disorders by selectively stimulating a non-dominant cerebral hemisphere of a patient comprising:

one or more lights positioned in close proximity to a patient's eye;

one or more sound sources positioned in close proximity to a patient's ear;

a microcontroller electrically connected to the lights and the sound sources and controlling the lights and sounds, the one or more lights and sound sources being selectively controlled by the microcontroller; and

a power source electrically connected to the microcontroller that provides electricity to the one or more lights, the one or more sound sources and the microcontroller,

wherein the lights, sound sources, microcontroller and power source are integral in the apparatus to provide a self-contained, portable apparatus.

10. (AMENDED) The apparatus as recited in Claim 9, further comprising:

a housing in which the lights, sound sources, microcontroller and power source are integrally housed.

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11. (AMENDED) The apparatus as recited in Claim 10, wherein the housing is a pair of sunglasses.

15. (AMENDED) The apparatus of Claim 9, further comprising at least two sound sources.

16. (AMENDED) A method for treating a patient that has been diagnosed with dyslexia, the method comprising the steps of :

identifying a dyslexic patient;

providing a portable, self-contained apparatus to the patient, the apparatus comprising a surface disposable in close proximity to the patient's eyes and ears; one or more light and sound sources disposed on said surface; a microprocessor integrally housed in said apparatus and electrically connected to said light and sound source and controlling said light and sound sources and a power supply integrally housed in said apparatus to provide power to said microprocessor and to said light and sound sources; and

selectively stimulating the non-dominant hemisphere of the of the brain of said patient using said apparatus.

21. (AMENDED) The method of claim 16, wherein the patient has been diagnosed with a limbic dysfunction.

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24. (AMENDED) The method of claim 16, wherein the patient has been diagnosed with a behavioral disorder.

27. (AMENDED) The method of claim 16, further comprising the steps of differentially stimulating both eyes and both ears of a patient.

REMARKS

Drawings

The Examiner objected to the drawings under 37 C.F.R. 1.83(a) for failing to show the sound source and elements 12a, 12b, 25, and required correction. Applicant submits herewith for approval by the Examiner a substitute drawing sheet of Figure 1 showing elements 12A, 12B and 25 in red, together with sound source 44, also shown in red pursuant to 37 C.F.R. § 1.121(d). Applicant believes that no new matter is included in the drawing corrections or the substitute drawing sheet. Support for depicting sound source 44 attached to surface 11 may be found on page 28, lines 23 and 24, of Applicant's specification: "In yet another embodiment, the sound source may be attached to the surface 11".

Applicant has amended the specification to provide a reference number (44) for the sound source.